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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/819,703	03/29/2001	Kenichiro Sakai	826.1720	4089

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EXAMINER

QUILLEN, ALLEN E

ART UNIT

PAPER NUMBER

2676

DATE MAILED: 05/19/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/819,703

Applicant(s)

SAKAI ET AL.

Examiner

Allen E. Quillen

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✓

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

2. The claims are objected to because some of the words are crowded too closely together, making reading difficult. See: Page 32, lines 14, 24; Page 33, lines 4-5, 13, 23; Page 34, lines 5, 15, 20-21; Page 35, lines 18, 21; Page 36, lines 3, 8, 11, 14, 20. Substitute claims with words properly spaced are required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Anderson, U.S. Patent 6,137,534.

5. Regarding claim 1, representative of claims 2, 11, 12, 13 and 14, Anderson discloses an image display device (Abstract; Column 3, lines 52-55) for storing an image and displaying the image based on a user's display operation (Column 2, lines 44-57), comprising: a non-volatile

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storage unit (Figure 3, element 350) storing data which can be rewritten and maintaining stored data even if a main power supply is switched on or off (Figure 3, elements 358, 360, *main* and *backup batteries*; Column 4, lines 23-44; *during a power failure mode*, Column 5, lines 14-19); an operation detection unit detecting a user's display operation (Figure 8, Column 9, lines 51-63; Column 10, line 8 through Column 11, line 65) to modify a display state of the image; and a display information reading/writing unit reading/writing display information for indicating a display state of a currently displayed image in the non-volatile storage unit based on a detection result of the operation detection unit (Figure 3, elements 408, 114, 350, 354, 344, 346, Column 4, line 22 through Column 6, line 50; Figures 4-7, *access the data stored on RAM, stores data, data received*).

6. Regarding claim 3, Anderson discloses an image display device according to claim 2, wherein if the display information read from said non-volatile storage unit is not a prescribed value, said display information reading unit modifies the display information to a prescribed rating value (Figure 7, Column 9, lines 10-28).

7. Regarding claim 4, Anderson discloses an image display device according to claim 2, wherein said display information writing unit stores currently displayed display image data in said non-volatile storage unit, said display reading unit reads the display image data as well as the display information if the display image data are stored in said non-volatile storage unit and said image display unit displays an original image using the read display image data (Column 5, lines 25-56).

8. Regarding claim 5, Anderson discloses an image display device according to claim 1, wherein if said operation detection unit does not detect another user's display operation during a specific time period after detecting a user's display operation, said display information writing unit writes the display information in said non-volatile storage unit (Column 11, lines 1-27; Column 12, lines 10-15).
9. Regarding claim 6, Anderson discloses an image display device according to claim 1, wherein if display information to be written in said non-volatile storage unit is the same as a value stored in said non-volatile storage unit, said display information writing unit does not write the display information (Column 12, lines 2-6).
10. Regarding claim 7, Anderson discloses an image display device according to claim 1, wherein said display information writing unit independently stores the display information for each stored image (Column 6, lines 34-50).
11. Regarding claim 8, Anderson discloses an image display device according to claim 8, wherein when a display image is switched, said display information reading unit reads the display information corresponding to the display image (Column 7, lines 5-55).
12. Regarding claim 9, Anderson discloses an image display device according to claim 1, wherein the display information includes at least one of information for specifying an original

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image, information about magnification of a display image and information for indicating a position in the original image of a display image (Column 6, lines 15-50).

13. Regarding claim 10, Anderson discloses an image display device according to claim 1, wherein if a user switches a main power supply off, said display information writing unit writes the display information in said non-volatile storage unit (Column 4, lines 22 through Column 5, lines 57).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen E. Quillen whose telephone number is (703) 605-4584.

The examiner can normally be reached on Tuesday – Friday, 8:30am – noon and 1:00 - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew C. Bella, can be reached on (703) 308-6829.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Or FAX'd to:


(703) 872-9314 (for Technology Center 2600 only)

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Sixth Floor (Receptionist), Arlington, Virginia

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number (703) 305-9600 or (703) 305-3800.

Allen E. Quillen
Patent Examiner
Art Unit 2676

May 13, 2003



MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600